

# 2018 SCADA Control Team

(The first meeting)

**IMPORTANT:** The Team's work is IN PROGRESS. This is simply a report to reflect the Team's activities on this particular meeting day. The Team's proposals may change before end of the process.

**1. Meeting Date and Time:** September 6, 2018 12:30p.m

**2. Meeting Location:** 901 Paradise Creek Street LLC 7

**3. Meeting numbers:**

Dr. Brian Johnson(client)

Hussain Beled(TA)

Kevin King(team number)

Hui Ma(team number)

Xiang Chen(team number)

Ziang Xu(team number)

**4.Meeting Participants:**

Dr. Brian Johnson(client)

Hussain Beled(TA)

Kevin King(team number)

Hui Ma(team number)

Ziang Xu(team number)

**5. Main topics discussed by Team today:**

-Basic information of the project

-The aims of the project

## **6. Additional questions and information:**

### **Q1: What are the aims of the project?**

A1:

- (1) Learning the principle and operation of Synchronous motor generator and SACADA Control system.
- (2) Using PC software (which is little relative to the Programmable Logic Controller) to control the rotation speed of the generator.
- (3) Able to adjust speed and frequency of the motor, and show the rotate frequency of the Synchronous motor in the scope successfully.

### **Q2: How much is the budget and how could we use?**

A2: We have \$2300 and we need save about \$200 money for making poster.

### **Q3: Where and how can we get the key for lab?**

A3: We can get key at EC office and borrow from it.

### **Q4: What is the frequency of the meeting? Is there a exact time or place for the meeting?**

A4: At least Once a week. Also It depends on our schedule and the place would always be the lab.

### **Q5: Does the equipment have a protection?**

A5: Yes, all equipment would be safe with the protection. For example, the fuse protection and improve the safety of the electrical wire of the equipment.

### **Q6: What should we do if we have a emergency? Who should we contact first?**

A6: Calculating the equation correctly, connecting the wires correctly, reviewing the answers are the important steps before doing the lab. If the emergency happen, turning off the power firstly on time, then we can get help from professor Laze.

### **Q7: Do we have human insurance if something goes bad?**

A7: Yes, because of the high electrical current and the power transmit. In case of the emergency happens, the insurance included in the tuition and we have paid for that.

### **Q8: What we use for logbook?**

A8: At the end of the project, we would have a exhibition. So we use some images to show our final achievements by logbook and simulation connect from the MATHCAD.

**Next meeting would be held in the basement of Buchanan Engineering Lab on September 12,2018 12:30pm.**